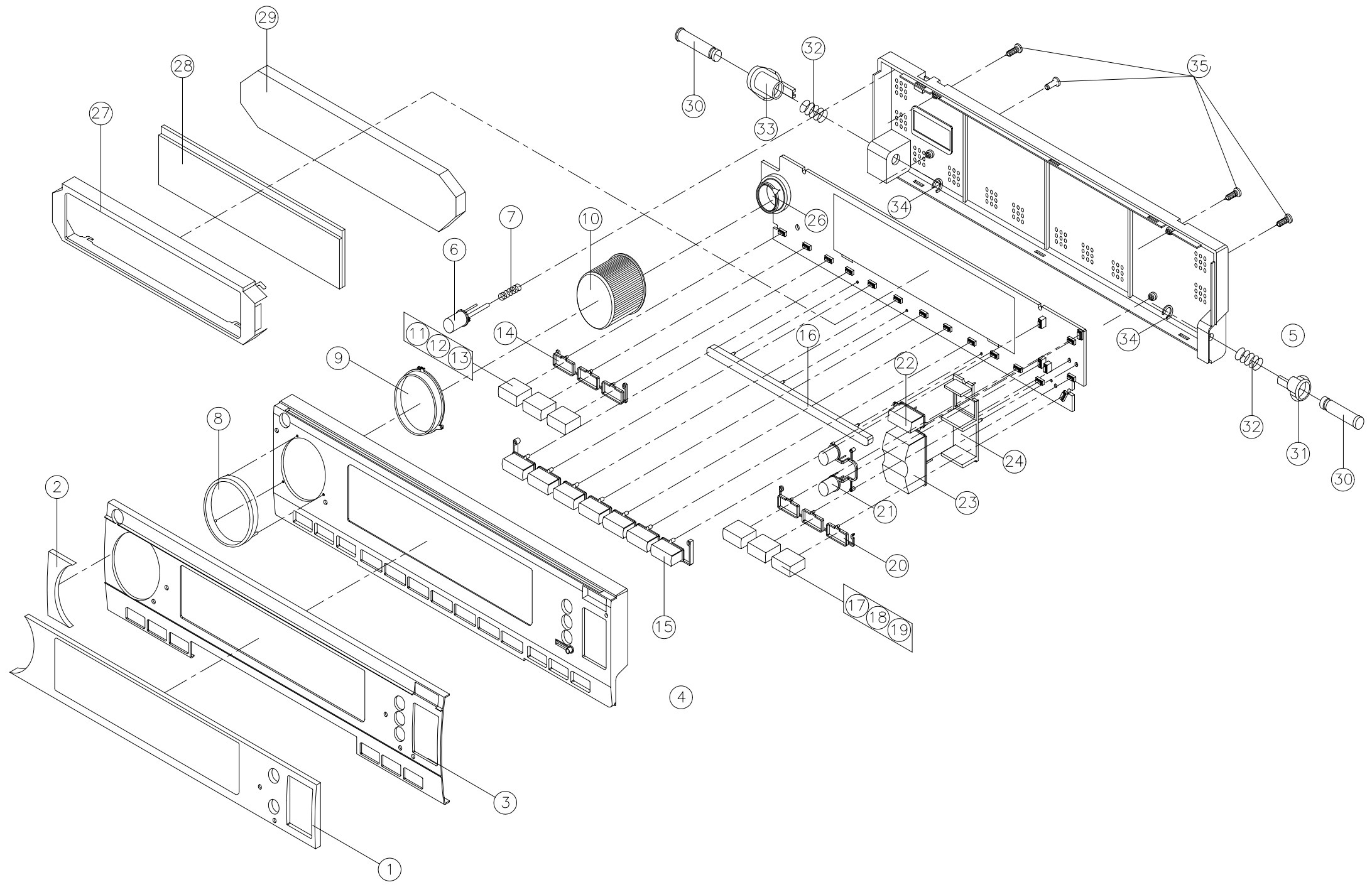
Roadstar®

Service Manual - CD-942DVD

CD-942DVD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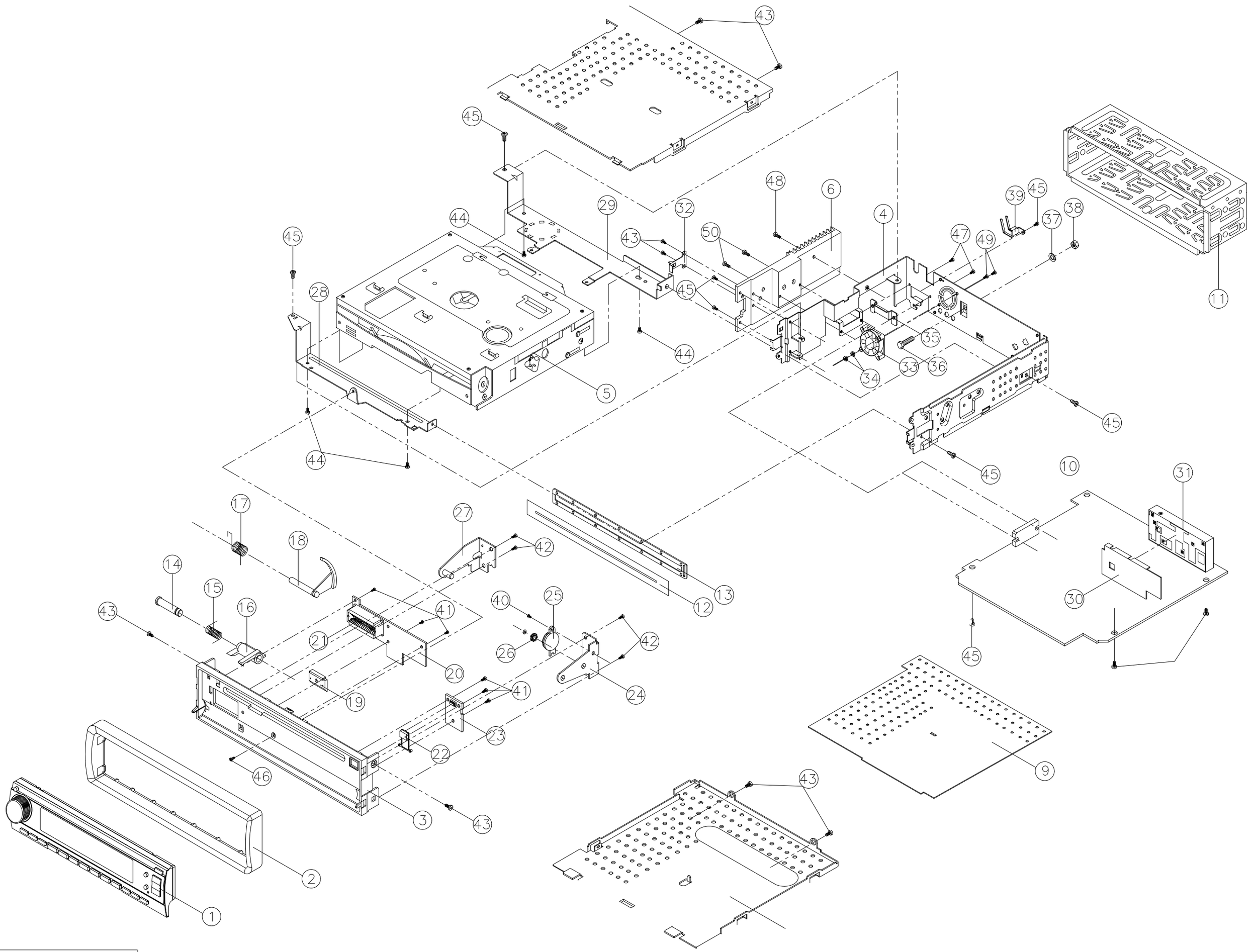
EXPLODED VIEW PARTS LIST

PANEL

Ref. No.	Description	RS Part No.	Mfr's Part No.
1	Lens-B (S. OPC0000) DVDD RDS		53-G1240-34Y
2	Lens-S (S. OPC0000) LCD		53-G1239-30C
3	M. Panel (S. 0201) DVDD "ROADSTAR" CD942DVD		61-G2101-832
4	Panel Top (S. OP1202)		51-G2122-80
5	Panel Bottom (F) /PC		51-F2123-00
6	Open Key/F (E-Silver)		52-G2137-90E
7	RE Knob Spring		36-11852-00
8	DECARING (S. OP1202)		52-G2123-80
9	VOL Back Light		52-G2130-00
10	VOL Knob (E-Silver)		52-G2135-90E
11	Power Key (Crystal/Green PMS324C)		52-G2132-61B
12	SEL Key (Crystal/Green PMS324C)		52-G2132-62B
13	S-M Key (Crystal/Green PMS324C)		52-G2132-67B
14	Knob-3 Left		52-G2125-00
15	AS/PS-1Play~6 Key (L-Up) (S. OP1202)		52-G2124-82
16	Button Back Light		52-G2133-00
17	TA Key (Crystal/Green PMS324C)		52-G2132-64B
18	PTY Key (Crystal/Green PMS324C)		52-G2132-65B
19	AF Key (Crystal/Green PMS324C)		52-G2132-66B
20	Knob-3 Right		52-G2129-00
21	BND/DSP (F) Knob (E-Silver)		52-G2138-90E
22	MOD Key (L-Up) (S. OP1202)		52-G2127-83
23	MANU-SKIP -/+ Key (L-Up) (S. OP1202)		52-G2126-82
24	SKIP Back Light		52-G2134-00
25	Key Board		11-21730-306
26	ENCODER SRGP200200 (ALPS)		18-00163-00
27	LCD Cover		39-E2104-01
28	DVD217 LCD TN COLOR BLACK MASK 99X25.3MM		27-21700-01Y
29	LED B.L QB02002-09 23.5X99 WHT		02-A1560-09
30	Axis Post		34-24601-00
31	Right Side Block		52-E2128-00
32	Contact Spring		36-78008-00
33	Left Side Block		52-E2129-00
34	E-Ring Ø1.5X4X0.4MM		35-00001-00
35	Screw Ø2X8 BH/ST Black		40-12008-01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EXPLODED VIEW PARTS LIST

CABINET

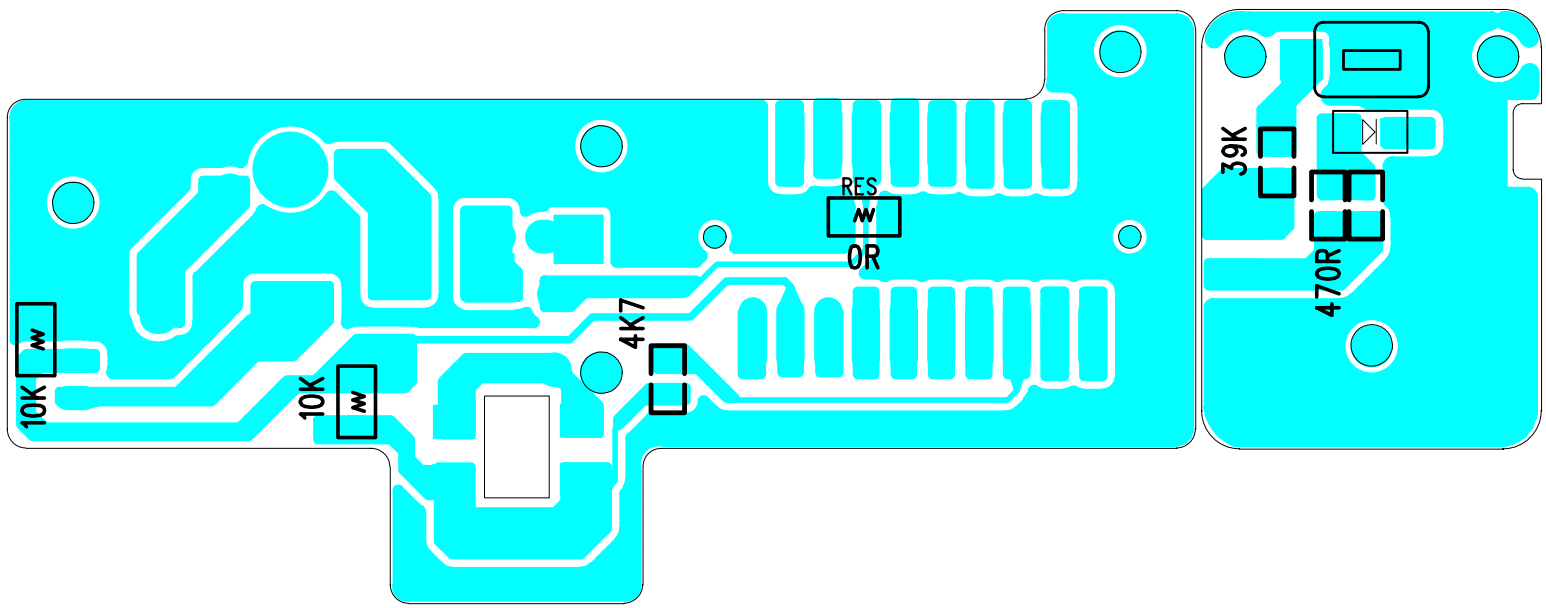
Ref. No.	Description	RS Part No.	Mfr's Part No.
1	Panel		
2	Ring (S. OPC1202)		51-G2121-80
3	Base		51-E2124-00
4	U Bracket (268/Wire)		61-T2104-00
5	DVD MECH. SLOT TYPE (HPD-1200W)		94-02683-00
6	Heat Sink (268 Deck)		61-T2105-00
7	Top Cabinet (268 Deck)		61-D0413-00
8	Bottom Cabinet (268 Deck)		61-D0414-00
9	Main Fiber (For 268)		35-D0403-00
10	Main Board		11-N1004-027
11	Mounting Box (072)		61-07211-03
12	Shade		81-69005-02
13	CD Windows Sheet		43-A3103-00
14	Hook Shaft		34-D2101-00
15	Hook Spring		36-E2101-00
16	Hook		52-E2127-00
17	Push Out Spring		36-E2102-00
18	Panel Pole		52-E2126-00
19	Base Back Light (F) (S. WHT)		52-E2148-01
20	Front Board		11-21711-348
21	20PIN Socket (A)		25-F0217-20A
22	EJ Knob (L-Up) (S. OPC0000)		52-E2150-01
23	Eject Board		11-21711-348
24	Right Bracket		39-E2101-01
25	Damper Gear Ass'y /19-24 T/Q		93-12246-01
26	Middle Gear (F)		52-E2130-00
27	Left Bracket		39-E2102-01
28	Deck Front Bracket (DVD)		39-D2103-00
29	Deck Rear Bracket (268 Deck)		39-D0414-00
30	FM Cover (RDS1004)		39-D0412-00
31	MITSUMI Tuner FAE-347-A29		29-00347-02
32	Spring Sheet		39-B0102-00
33	12V DC FAN 40X40X10MM Wire 80MM JS2.0		49-04010-13
34	Hexagon Nut M2.6		35-40026-00
35	Wire Clip 1.0MM		39-B1415-00
36	Screw Ø5X18 HH		40-05018-04
37	Spring Washer M5		35-50001-00
38	Hexagon Nut M5		35-40005-00
39	Wire Clip P2638-08		39-63808-00
40	Screw Ø2X3 CH/MA Black		40-12003-09H

Ref. No.	Description	RS Part No.	Mfr's Part No.
41	Screw Ø2X4 BH/MS Black		40-12004-21
42	Screw Ø2X6 PA/ST Black		40-12006-20
43	Screw Ø2.6X4 BH/MS		40-02604-01
44	Screw Ø2.6X5 BH/TAPTITE		40-02605-03
45	Screw Ø2.6X6 BH/MS		40-02606-01
46	Screw Ø2.6X6 PH/MS Black		40-02606-20
47	Screw Ø2.6X8 BH/MS		40-02608-01
48	Screw Ø2.6X10 BH/MS		40-02610-01
49	Screw Ø2.6X12 BH/MS		40-02612-01
50	Screw M2.6X20 PH/MS		40-02620-00

R2:100R 1/4W

EJ:16-01140-04

DHT:16-51377-00K



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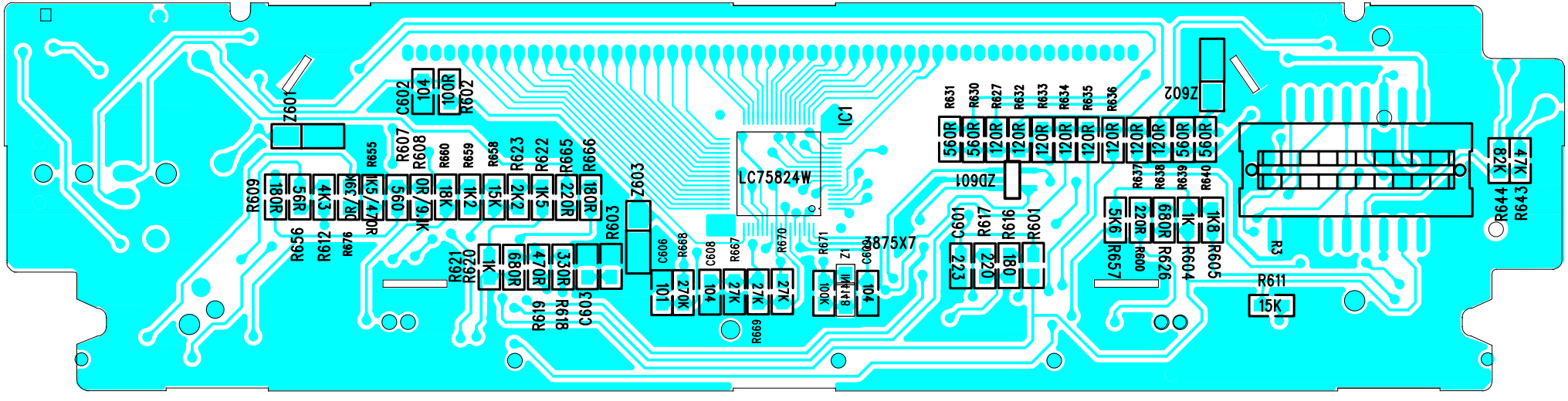
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C602
104
100R
R602
R607
R608
R655
R660
R659
R658
R623
R622
R665
R666
R609
180R
5R6
4K3
39K
0R/39K
47K
360
0R/1K
18K
1K2
15K
2K2
1K5
220R
180R
R656
R612
R676
R603
Z603
R621
R620
1K
680R
470R
330R
R619
R618
C603
C606
R668
C608
R667
R670
R671
Z1
C609
IC1
LC75824W
875X7
101
27K0
104
2K7
2K7
27K
R669
100K
1M+1R
104
R631
R630
R627
R632
R633
R634
R635
R636
560R
560R
120R
120R
120R
120R
120R
120R
120R
120R
560R
560R
Z602
ZD601
C601
R617
R616
R601
223
220
180
R637
R638
R639
R640
5K6
220R
680R
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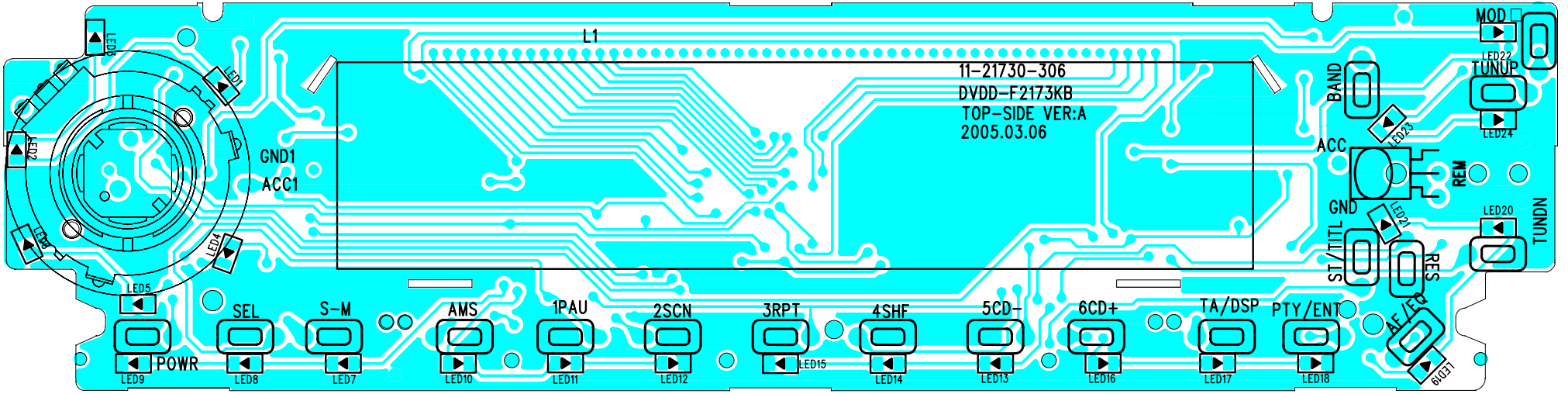
R611
15K
R644
R643
8K2
4K7


L1
11-21730-306
DVDD-F2173KB
TOP-SIDE VER:A
2005.03.06
GND1
ACC1
LED1
LED2
LED3
LED4
LED5
LED6
POWR
SEL
S-M
AMS
1PAU
2SCN
3RPT
4SHF
5CD-
6CD+
TA/DSP
PTY/ENT
AF/EON
LED7
LED8
LED9
LED10
LED11
LED12
LED13
LED14
LED15
LED16
LED17
LED18
LED19
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GND
ST/TITL
REM
RES
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TUNUP
TUNDN
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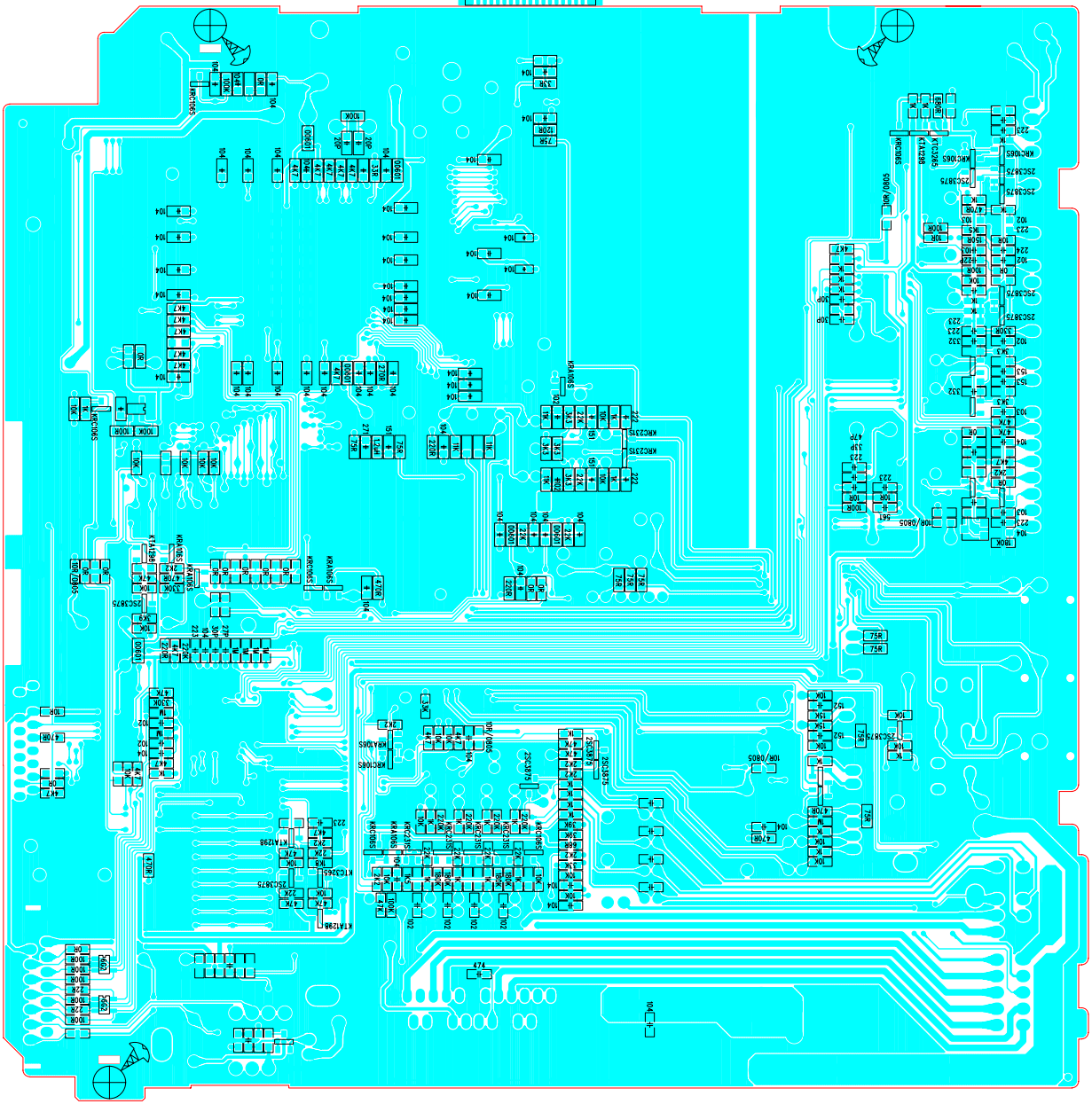
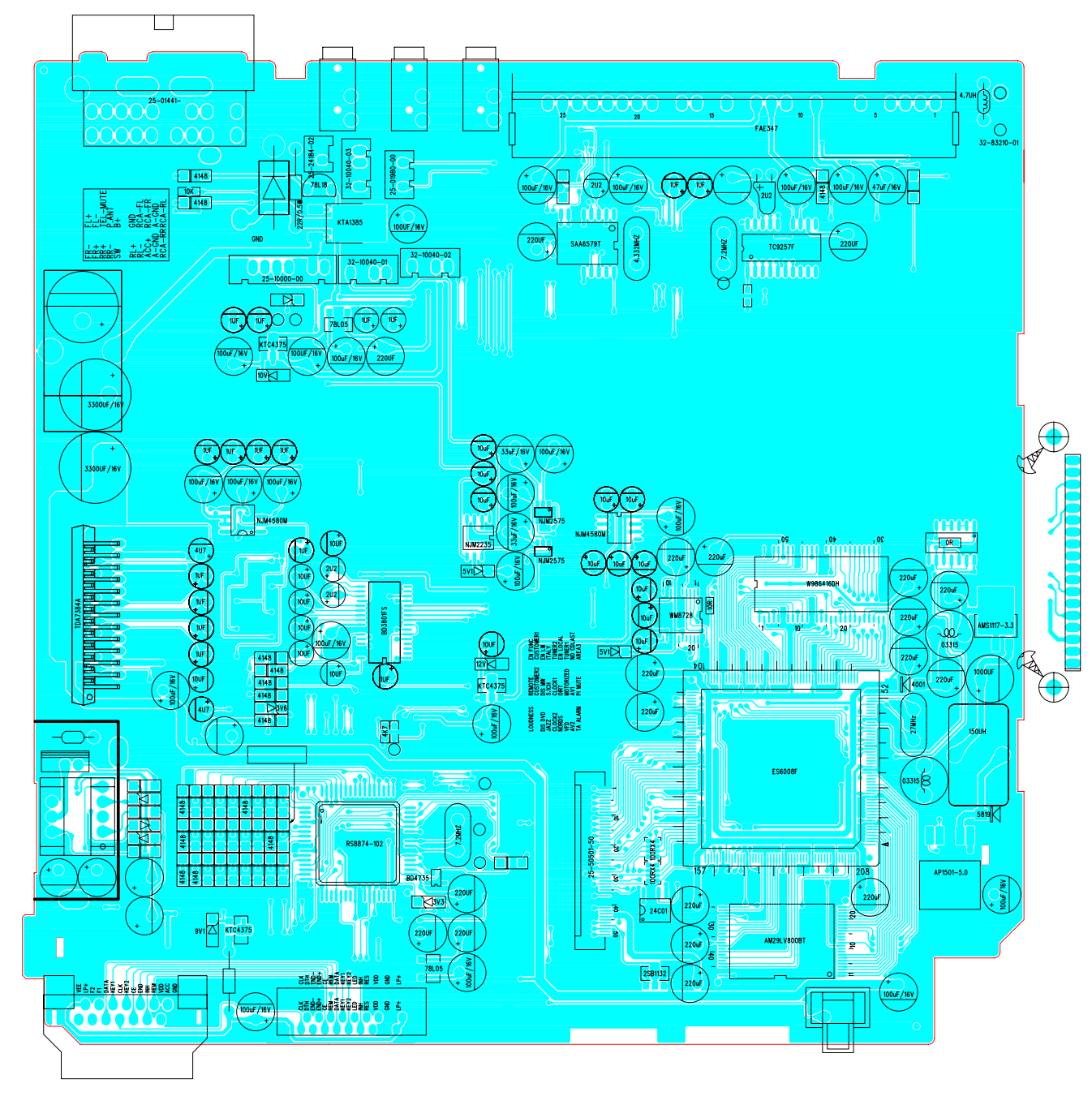
LED21
LED22
LED23
LED24

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TC9257F
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NJM4580M
NJM2575
NJM2233
BD3501FS
W986416DH
WM8728
ES6008F
RS8874-102
BD4735
AP1501-5.0
AM29LV800BT
24C01
25LB132
AMS1117-3.3
27MHz
150UH
TDA7384A
FL+
FL-
FR+
FR-
RL+
RL-
RR+
RR-
B+
MUTE
ANT
SW
GND
RCA-FL
RCA-FR
RCA-GND
RCA-RL
100uF/16V
220UF
1UF
10K
4148
10UF
2U2
4U7
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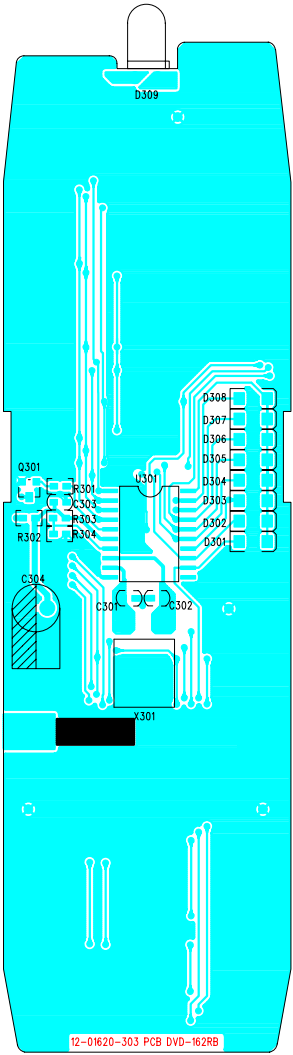
9V1
12V
5V3
5V6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D306
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D304
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D302
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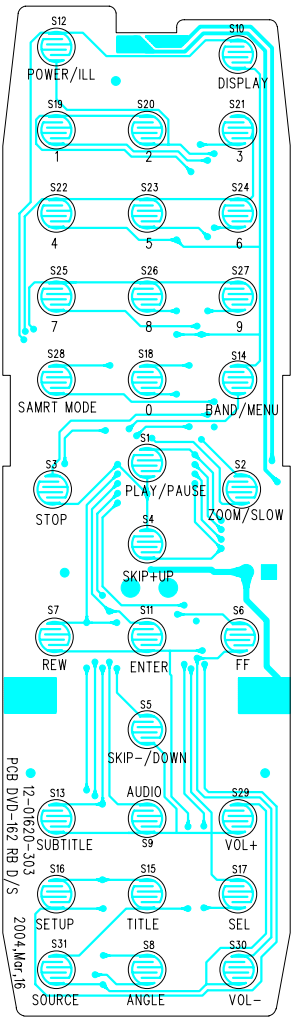
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POWER/ILL
S10
DISPLAY
S19
1
S20
2
S21
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S22
4
S23
5
S24
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S25
7
S26
8
S27
9
S28
SAMRT MODE
S18
0
S14
BAND/MENU
S1
PLAY/PAUSE
S3
STOP
S2
ZOOM/SLOW
S4
SKIP+/UP
S7
REW
S11
ENTER
S6
FF
S5
SKIP-/DOWN
S13
SUBTITLE
AUDIO
S9
S29
VOL+
S16
SETUP
S15
TITLE
S17
SEL
S31
SOURCE
S8
ANGLE
S30
VOL-
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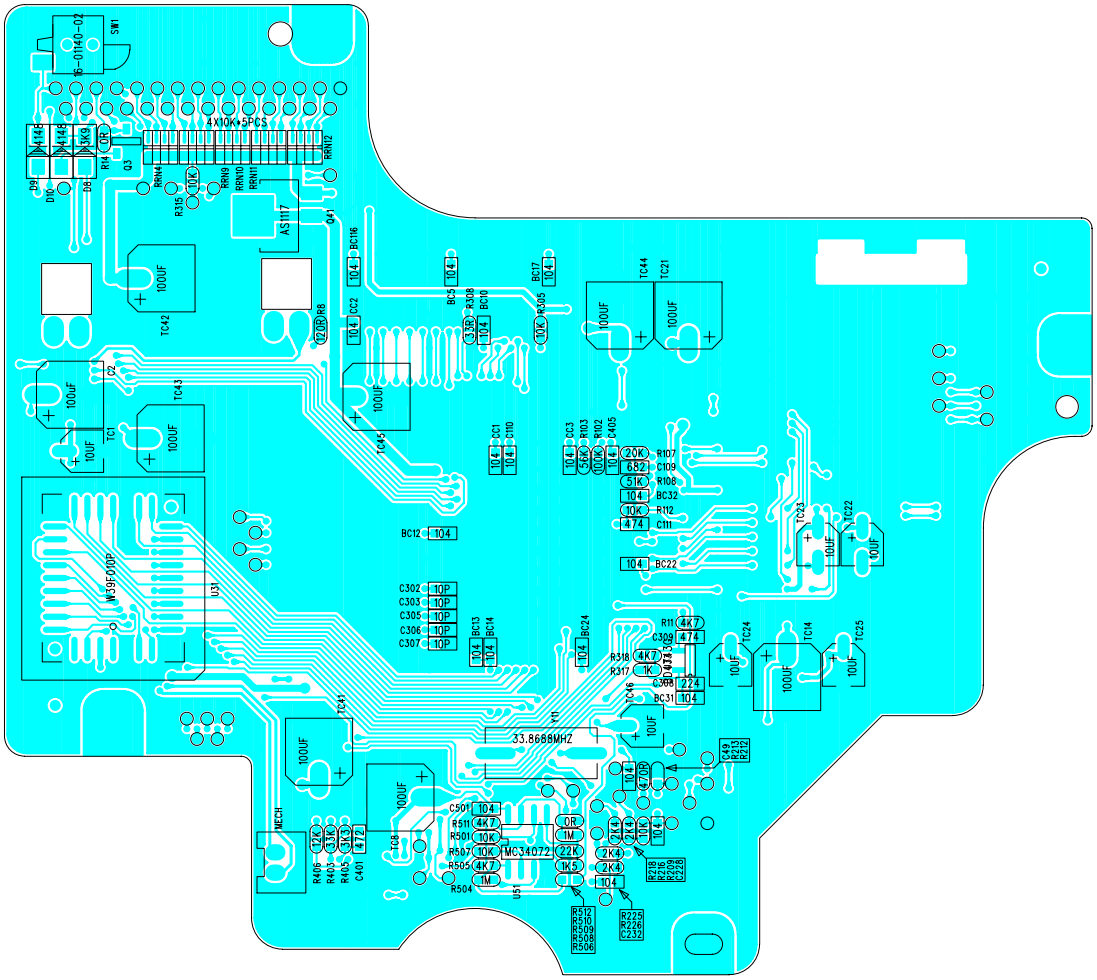
PCB DVD-162 RB D/S
2004.Mar.16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RRN2
RRN4
RRN0
RRN1
Q3
R4
D9
D10
D8
R315
AS1117
Q41
TC42
TC43
TC1
TC2
TC45
TC44
TC21
TC23
TC22
TC24
TC14
TC25
TC41
TC46
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U57
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R112
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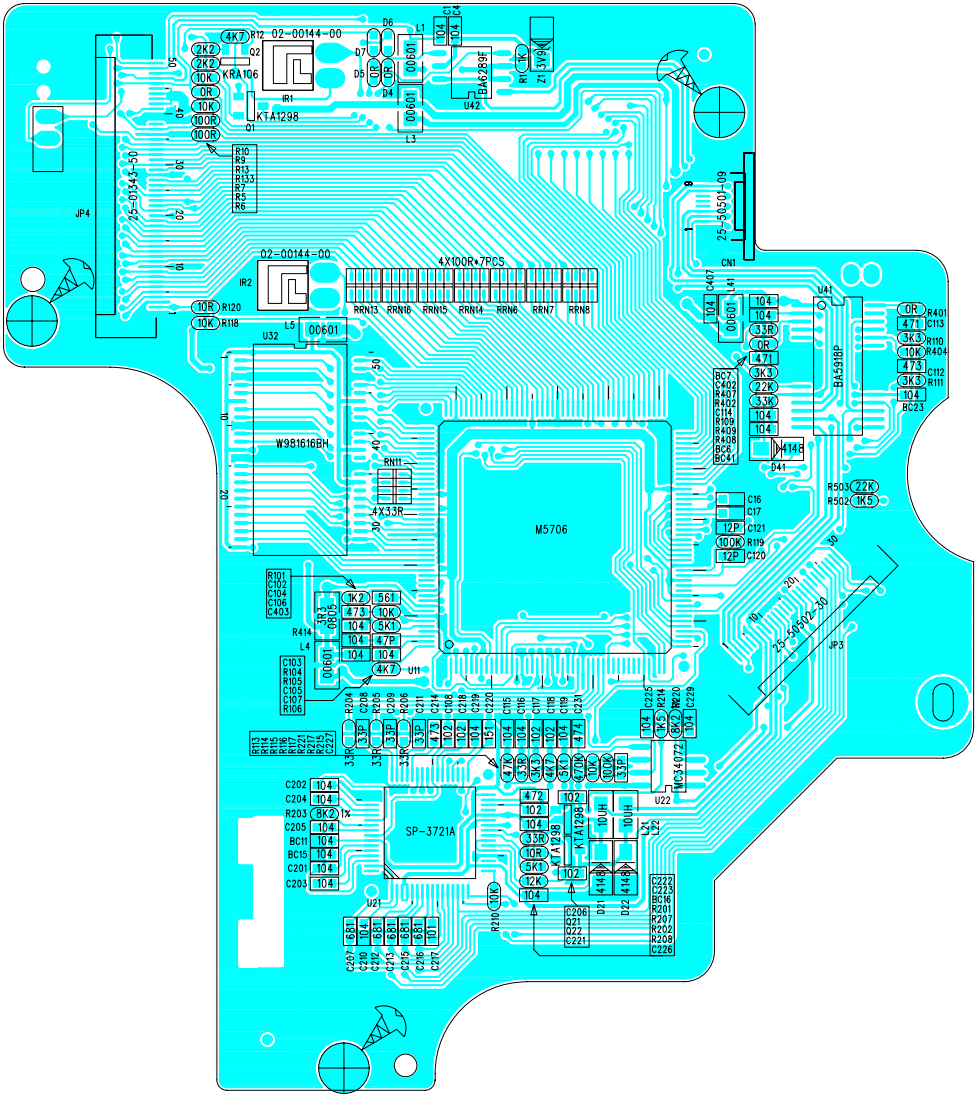
R279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U32
U41
U42
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Q2
IR1
IR2
L1
L4
L5
L41
D41
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RN10
RN15
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RN7
RN8
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R502
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C204
R203
C205
BC11
BC15
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C207
C208
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C231
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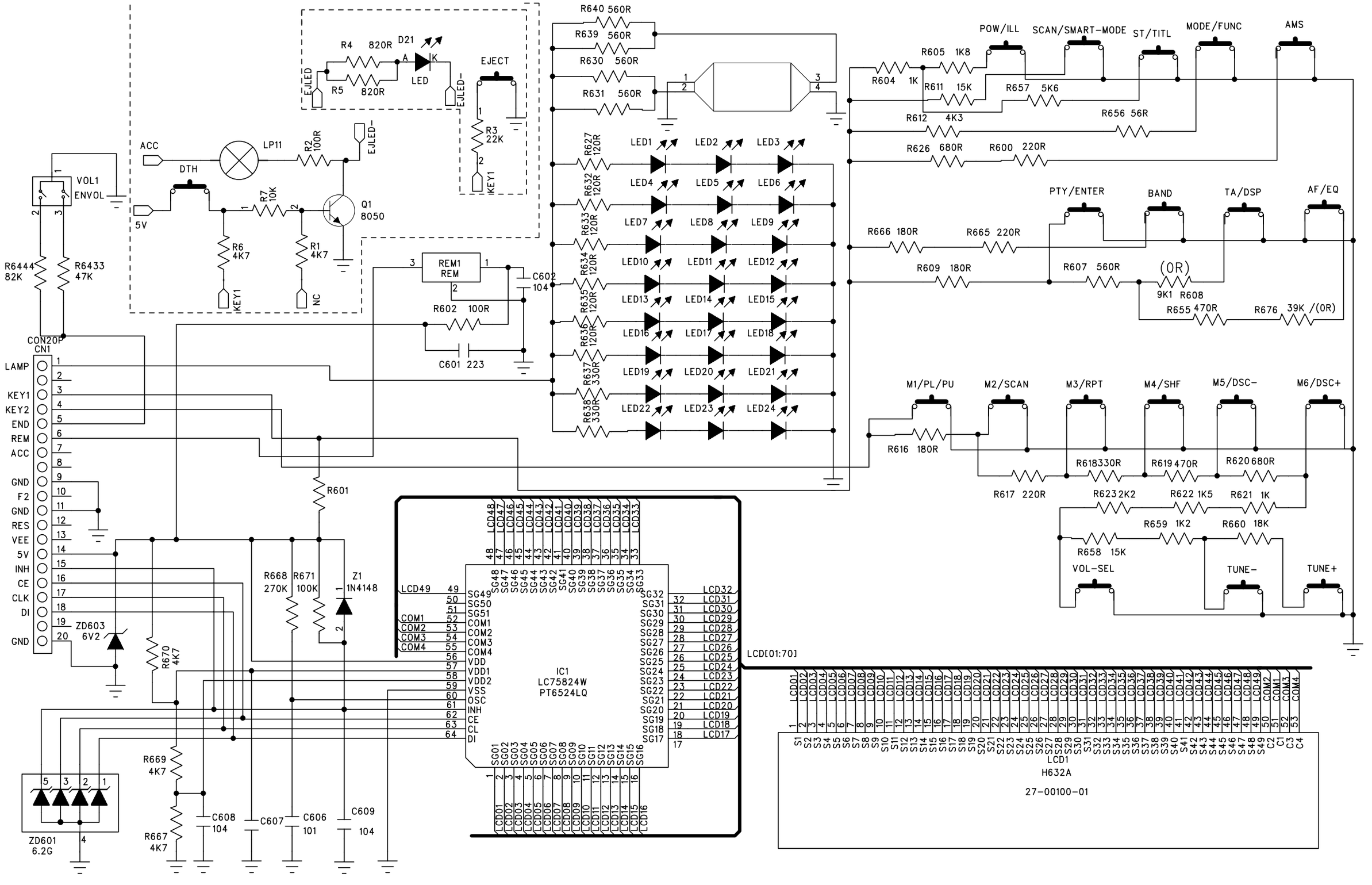
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D21
A
K
LED
R5 820R
EJLED
EJECT
R3 22K
KEY1
ACC
LP11
R2 100R
DTH
VOL1
ENVOL
5V
R7 10K
Q1 8050
R6 4K7
R1 4K7
NC
R6444 82K
R6433 47K
REM1 REM
C602 104
R602 100R
C601 223
CON20P
CN1
LAMP
KEY1
KEY2
END
REM
ACC
GND
F2
RES
VEE
5V
INH
CE
CLK
DI
R601
R640 560R
R639 560R
R630 560R
R631 560R
R627 120R
R632 120R
R633 120R
R634 120R
R635 120R
R636 120R
R637 330R
R638 330R
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
LED9
LED10
LED11
LED12
LED13
LED14
LED15
LED16
LED17
LED18
LED19
LED20
LED21
LED22
LED23
LED24
POW/ILL
SCAN/SMART-MODE
ST/TITL
MODE/FUNC
AMS
R605 1K8
R604 1K
R611 15K
R657 5K6
R612 4K3
R656 56R
R626 680R
R600 220R
PTY/ENTER
BAND
TA/DSP
AF/EQ
R666 180R
R665 220R
R609 180R
R607 560R
(OR)
9K1 R608
R655 470R
R676 39K /(OR)
M1/PL/PU
M2/SCAN
M3/RPT
M4/SHF
M5/DSC-
M6/DSC+
R616 180R
R617 220R
R618 330R
R619 470R
R620 680R
R623 2K2
R622 1K5
R621 1K
R659 1K2
R660 18K
R658 15K
VOL-SEL
TUNE-
TUNE+
R668 270K
R671 100K
Z1 1N4148
ZD603 6V2
R670 4K7
IC1
LC75824W
PT6524LQ
LCD[01:70]
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R667 4K7
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C607
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H632A
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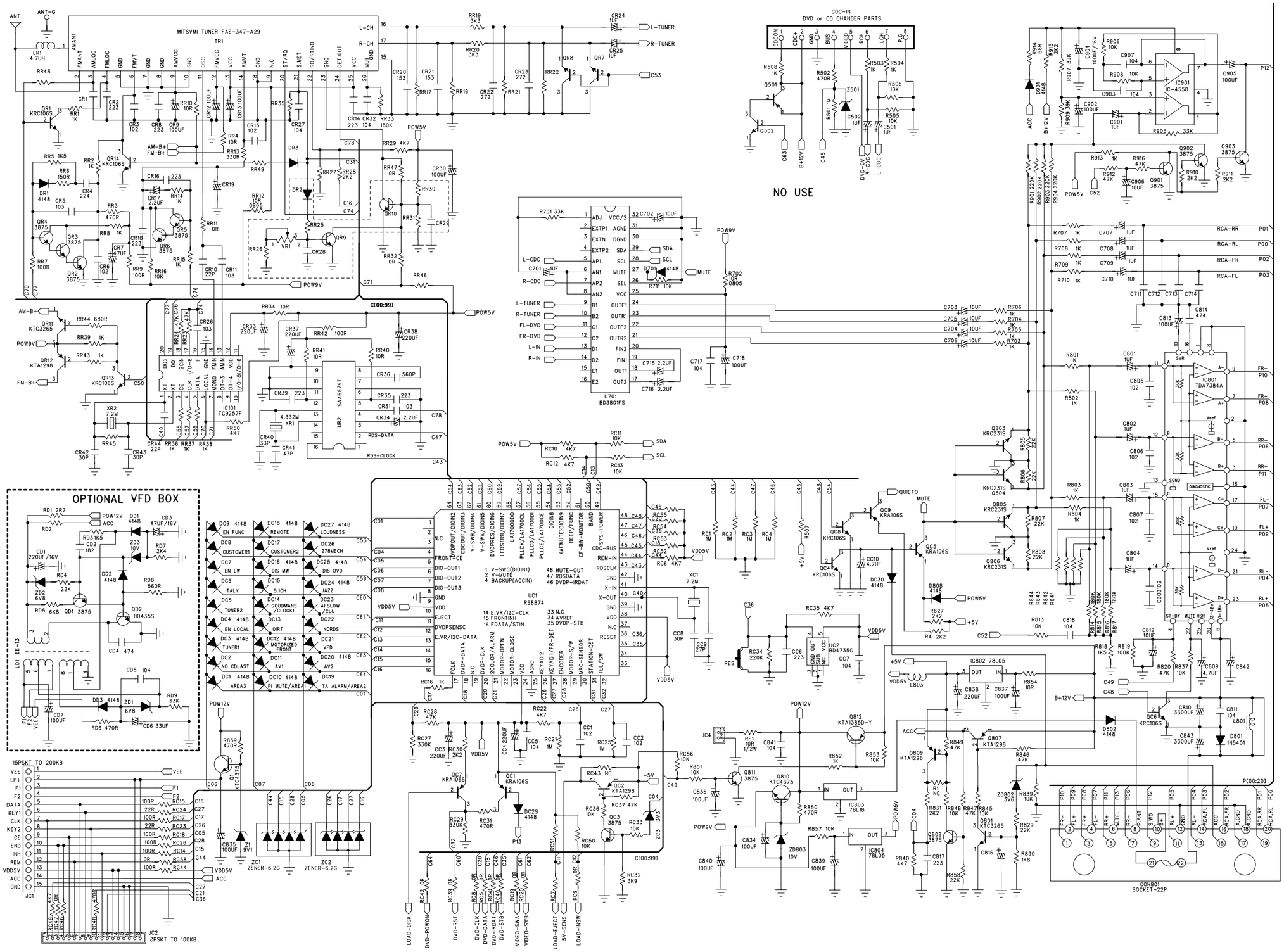
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ANT-G
LR1 4.7UH
MITSVMI TUNER FAE-347-A29
TR1
AMANT
FMANT
AMLOC
FMLOC
GND
FMVT
AMVCC
FMVCC
OSC
AMVT
N.C
ST/RQ
S.MET
SD/STAND
SNC
DET.OUT
MUT
L-CH
R-CH
L-TUNER
R-TUNER
C53
QR1 KRC106S
QR14 KRC106S
QR4 3875
QR3 3875
QR2 3875
QR5 3875
QR6 3875
DR1 4148
DR2
DR3
AM-B+
FM-B+
POW5V
POW9V
POW12V
ACC
C78
C71
C70
C77
C76
C74
C75
C00:99
RR48
RR5 1K5
RR6 150R
RR2 1K
RR3 470R
RR8 1K
RR7 100R
RR9 100R
RR16 10K
RR15 1K
RR11 0R
RR10 10R
RR12 10R 0805
RR13 330R
RR49
RR29 4K7
RR47 0R
RR30
RR31
RR32 0R
RR46
RR34 10R
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RR41 10R
RR40 10R
RR44 680R
RR39 1K
RR43 1K
RR45
RR50 4K7
RR36 1K
RR37 1K
RR38 1K
CR1
CR2 223
CR3 102
CR8 223
CR9 100UF
CR10 100UF
CR13 100UF
CR15 102
CR16 223
CR17 2.2UF
CR18 223
CR19
CR4 224
CR5 103
CR6 102
CR7 47UF
CR11 103
CR12 2.2UF
CR26 103
CR27 104
CR28 2K2
CR25
CR20 153
CR21 153
CR22 272
CR23 272
CR24 1UF
CR25 1UF
CR31 103
CR33 220UF
CR34 2.2UF
CR35 223
CR36 560P
CR37 220UF
CR38 220UF
CR39 223
CR40 33P
CR41 47P
CR42 30P
CR43 30P
CR14 223
CR32 104
RR33 180K
RR19 3K3
RR20 3K3
RR17
RR18
RR21
RR22
RR23 272
RR24 47K
RR25
RR26
VR1
QR8
QR9
QR10
QR11 KTC3265
QR12 KTA1298
QR13 KRC106S
XR2 7.2M
XR1 4.332M
C40
C50
C47
C43
C44
C45
C46
C48
C49
C51
C52
C53
C54
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C112
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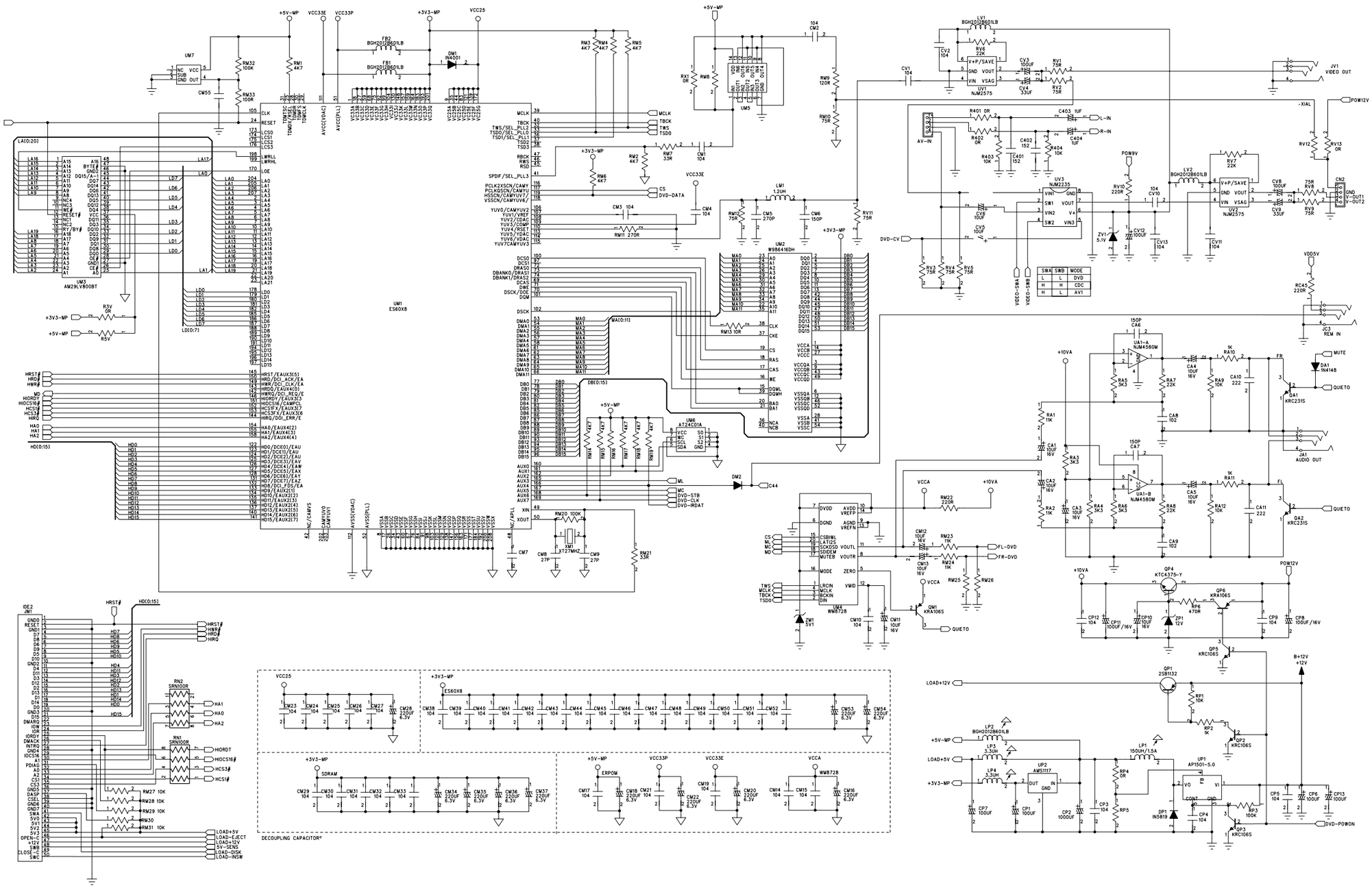
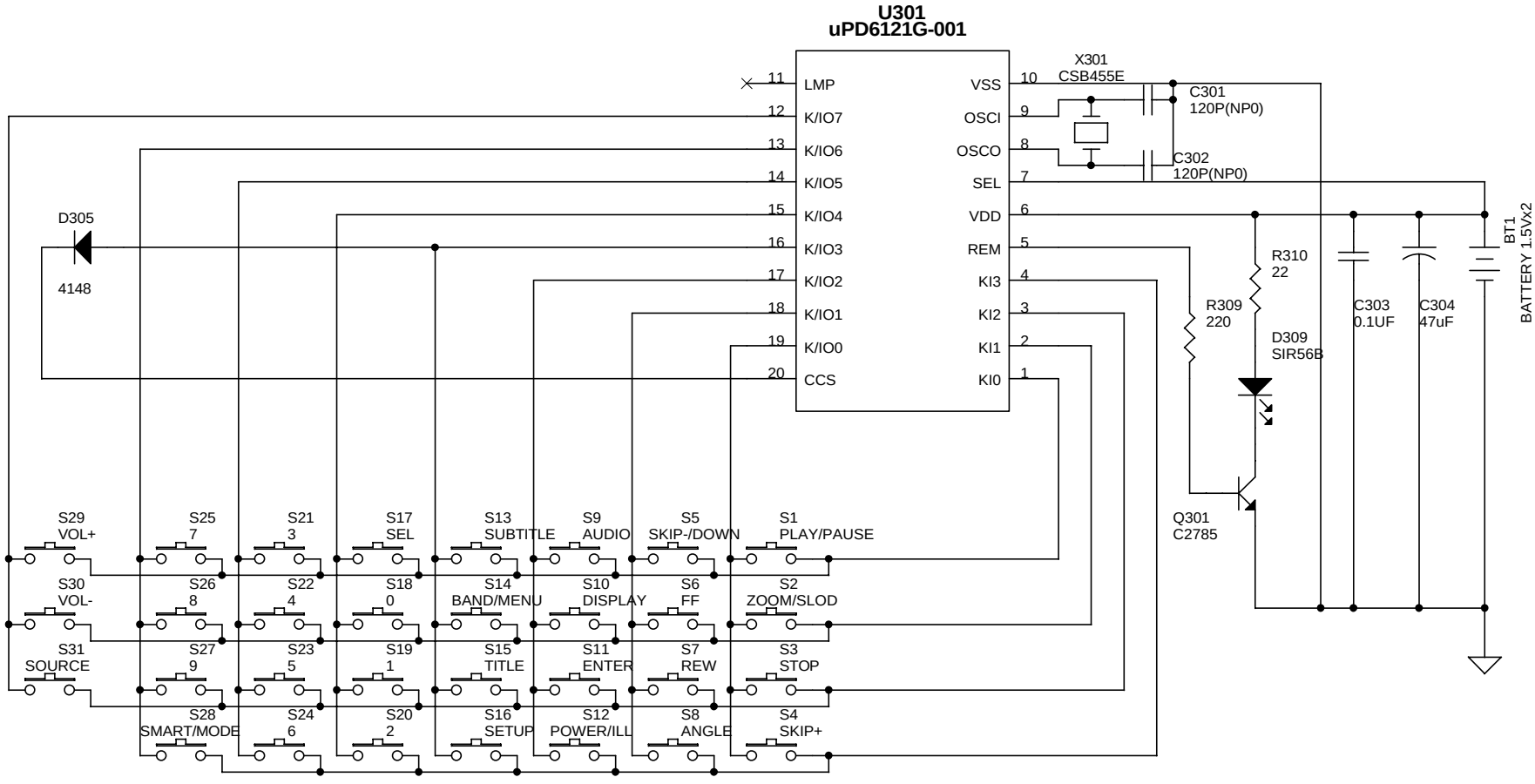
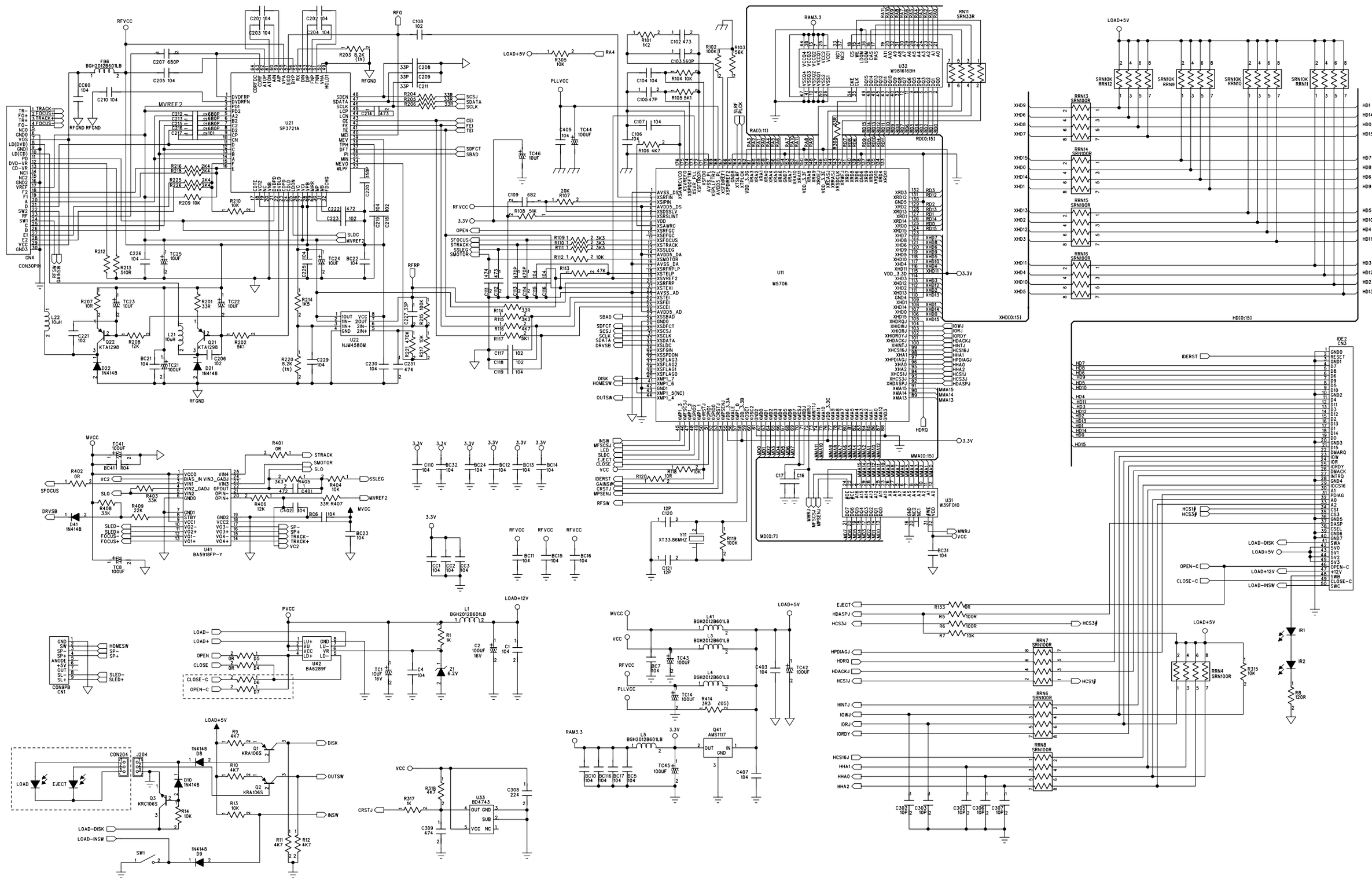
C114
C115
C116
C117
C118


1
2
3
4
5
6
7
A1
A
B
UM7
RM32 100K
RM1 4K7
RM33 100R
CM55
DVD-RST
LA(0:20)
UM3
AM29LV800BT
R3V 0R
R5V
+3V3-MP
+5V-MP
LD(0:7)
HRST#
HRD#
HWR#
MD
HIORDY
HIOCS16#
HCS1#
HCS3#
HIRQ
HA0
HA1
HA2
HD(0:15)
VCC33E
VCC33P
FB2 BGH201286011B
FB1 BGH201286011B
DM1 IN4001
AVCC(VDAC)
AVSS(VDAC)
AVCC(PLL)
AVSS(PLL)
RM3 4K7
RM4 4K7
RM5 4K7
RX1 0R
RM8
RM9 120R
RM10 75R
UM5
104 CM2
CV1 104
LV1 BGH201286011B
RV6 22K
CV2 104
CV3 100UF
RV1 75R
CV4 33UF
RV2 75R
UV1 NJM2575
JV1 VIDEO OUT
-XIAL
POW12V
R401 0R
R402 0R
R403 10K
C401 152
C402 152
R404 10K
C403 1UF
C404 1UF
L-IN
R-IN
AV-IN
POW9V
RV10 220R
CV10 104
UV3 NJM2235
CV8 100UF
CV9 33UF
RV9 75R
RV12
RV13 0R
CN2
GND
V-OUT1
V-OUT2
LV2 BGH201286011B
RV7 22K
UV2 NJM2575
CV6 10UF
CV5 10UF
CV12 100UF
CV13 104
CV11 104
ZV1 5.1V
DVD-CV
VIDEO-SW1
VIDEO-SW2
SW4 SW5 MODE
L L DVD
H H CDC
H L AV1
VDD5V
RC45 220R
JC1 REM IN
MUTE
DA1 IN4148
QUIETO
QA1 KRC231S
JA1 AUDIO OUT
QA2 KRC231S
QUETO
+10VA
UA1-A NJM4580M
UA1-B NJM4580M
RA1 11K
RA2 11K
RA3 3K3
RA4 3K3
RA5 3K3
RA6 3K3
RA7 22K
RA8 22K
RA9 10K
RA10 1K
RA11 1K
RA12 10K
CA1 10UF 16V
CA2 10UF 16V
CA3 10UF 16V
CA4 10UF 16V
CA5 10UF 16V
CA8 102
CA9 102
CA10 222
CA11 222
150P CA6
150P CA7
FR
FL
UM1
ES60X8
UM2
W986416DH
UM6
AT24C01A
RM13 10R
RM11 270R
CM3 104
CM4 104
CM5 270P
CM6 150P
RM11 75R
RM12 75R
RM6 4K7
RM7 33R
RM2 4K7
CM1 104
LM1 1.2UH
RX1 0R
RM8
RM20 100K
XM1 27MHZ
CM8 27P
CM9 27P
CM7
RM21 33R
DM2
C44
ML
MC
DVD-STB
DVD-CLK
DVD-IRDAT
MCLK
TBCK
TWS
TSDO
SPDIF/SEL_PLL3
PCLK2XSCN/CAMY
PCLK2SCN/CAMYJ
HSSCN/CAMYUV7/
VSSCN/CAMYUV6/
YUV0/CAMYUV2
YUV1/VREF
YUV2/CDAC
YUV3/COMP
YUV4/RSET
YUV5/YDAC
YUV6/VDAC
YUV7CAMYUV3
CS
DVD-DATA
DCS0
DCS1
DRAS0
DBANK0/DRAS1
DBANK1/DRAS2
DCAS
DWE
DSCK/DOE
DQM
DSCK
DMA0
DMA1
DMA2
DMA3
DMA4
DMA5
DMA6
DMA7
DMA8
DMA9
DMA10
DMA11
MA0(11)
DB0(15)
CLK
CKE
CS
RAS
CAS
WE
DQML
DQMH
BA0
BA1
NCA
NCB
VCCA
VCCB
VCCC
VCCQA
VCCQB
VCCQC
VCCQD
VSSQA
VSSQB
VSSQC
VSSQD
VSSA
VSSB
VSSC
AUX0
AUX1
AUX2
AUX3
AUX4
AUX5
AUX6
AUX7
XIN
XOUT
NC/CAMVS
CAMVO/1
CAMVO/1
RM14 4K7
RM15 4K7
RM16 4K7
RM17 4K7
RM18 4K7
RM19 4K7
DVDD
DGND
CSBIBL
LATQS
SCKDSD
SDIDEM
MUTEB
MODE
LRCIN
MCLK
BCKIN
DIN
AVDD
VREFP
AGND
VREFN
VOUTL
VOUTR
ZERO
VMID
UM4
WM8728
ZW1 5V1
CM10 104
CM11 10UF 16V
RM22 220R
RM23 1K
RM24 1K
RM25
RM26
CM12 10UF 16V
CM13 10UF 16V
QM1 KRA106S
FL-DVD
FR-DVD
QUIETO
QP4 KTC4375-Y
QP5 KRA106S
QP6 KRA106S
RP6 470R
ZP1 12V
CP12 104
CP11 100UF/16V
CP10 10UF 16V
CP9 104
CP8 100UF/16V
QP3 KRC106S
POW12V
B+12V +12V
LOAD+12V
QP1 2SB1132
RP1 10K
RP2 1K
QP2 KRC106S
LP2 BGH201286011B
LP3 3.3UH
LP4 3.3UH
LOAD+5V
+3V3-MP
+5V-MP
UP2 AMS1117
UP1 AP1501-5.0
LP1 150UH/1.5A
RP4 0R
RP5
DP1 IN5819
CP1 100UF
CP2 1000UF
CP3 104
CP4 104
CP5 104
CP6 100UF
CP7 100UF
CP13 100UF
RP3 100K
QP3 KRC106S
DVD-POWON
IDE2
JM1
HRST#
HD(0:15)
HRST#
HWR#
HRD#
HIRQ
RN2 SRN100R
RN1 SRN100R
HA1
HA0
HA2
HIORDT
HIOCS16#
HCS3#
HCS1#
RM27 10K
RM28 10K
RM29 10K
RM30
RM31 10K
LOAD+5V
LOAD-EJECT
LOAD+12V
5V-SENS
LOAD-DISK
LOAD-INSW
DECOUPLING CAPACITOR
VCC25
+3V3-MP
ES60X8
CM23 104
CM24 104
CM25 104
CM26 104
CM27 104
CM28 220UF 6.3V
CM38 104
CM39 104
CM40 104
CM41 104
CM42 104
CM43 104
CM44 104
CM45 104
CM46 104
CM47 104
CM48 104
CM49 104
CM50 104
CM51 104
CM52 104
CM53 220UF 6.3V
CM54 220UF 6.3V
SDRAM
CM29 104
CM30 104
CM31 104
CM32 104
CM33 104
CM34 220UF 6.3V
CM35 220UF 6.3V
CM36 220UF 6.3V
CM37 220UF 6.3V
ERPOM
CM17 104
CM18 220UF 6.3V
CM21 104
CM22 220UF 6.3V
CM10 104
CM20 220UF 6.3V
CM14 104
CM15 104
CM16 220UF 6.3V
WM8728


U301
uPD6121G-001
11 LMP
12 K/IO7
13 K/IO6
14 K/IO5
15 K/IO4
16 K/IO3
17 K/IO2
18 K/IO1
19 K/IO0
20 CCS
10 VSS
9 OSCI
8 OSCO
7 SEL
6 VDD
5 REM
4 KI3
3 KI2
2 KI1
1 KI0
X301
CSB455E
C301
120P(NP0)
C302
120P(NP0)
D305
4148
R310
22
R309
220
D309
SIR56B
Q301
C2785
C303
0.1UF
C304
47uF
BT1
BATTERY 1.5Vx2
S29 VOL+
S25 7
S21 3
S17 SEL
S13 SUBTITLE
S9 AUDIO
S5 SKIP-/DOWN
S1 PLAY/PAUSE
S30 VOL-
S26 8
S22 4
S18 0
S14 BAND/MENU
S10 DISPLAY
S6 FF
S2 ZOOM/SLOD
S31 SOURCE
S27 9
S23 5
S19 1
S15 TITLE
S11 ENTER
S7 REW
S3 STOP
S28 SMART/MODE
S24 6
S20 2
S16 SETUP
S12 POWER/ILL
S8 ANGLE
S4 SKIP+


U21
SP3721A
U11
M5706
U22
NJM4580M
U41
BA5918FP-Y
U42
BA6289F
U33
BD4743
U32
W981616BH
U31
W39F010
CN4
CON30PIN
CN1
CON9PB
CON204
IDE2
CN3
RFVCC
RFO
RFGND
RFRP
RFFP
PLLVCC
MVCC
PVCC
LOAD+5V
LOAD+12V
3.3V
RAM3.3
MVREF2
SFOCUS
STRACK
SMOTOR
SSLEG
MVREF2
DISK
HOMESW
OUTSW
INSW
SBAD
SDFCT
SCSJ
SCLK
SDATA
DRVSB
SLED+
SLED-
SP+
SP-
TRACK+
TRACK-
FOCUS+
FOCUS-
VC2
LOAD-
LOAD+
OPEN
CLOSE
CLOSE-C
OPEN-C
LOAD
EJECT
LOAD-DISK
LOAD-INSW
SW1
XHD[0:15]
HD[0:15]
RD[0:15]
MMA[0:15]
MD[0:7]
IDERST
HDRQ
HDACKJ
HINTJ
IOWJ
IORJ
IORDY
HCS16J
HHA1
HHA2
HHA0
HPDIAGJ
HCS1J
HCS3J
HDASPJ
MMA15
MMA14
MMA13
WWRJ
VCC
EJECT
HDASPJ
HCS3J
HPDIAGJ
HDRQ
HDACKJ
HCS1J
HINTJ
IOWJ
IORJ
IORDY
HCS16J
HHA1
HHA0
HHA2
IR1
IR2
R8 120R
R315 10K
RFSW
GAINSW
MWRJ
MFSCSJ
MFSENJ
XT33.86MHZ
LOAD-DISK
LOAD-INSW
OPEN-C
CLOSE-C
LOAD+12V
LOAD+5V
SWC
CLOSE-C
OPEN-C
+12V
5V3
5V2
5V1
SWB
GND7
GND6
GND5
GND4
GND3
GND2
GND1
IDCS16
DASP
CSEL
CS3
CS1
A2
A1
A0
PDIAG
DMACK
DMARQ
IOR
IOW
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
HD15
HD14
HD13
HD12
HD11
HD10
HD9
HD8
HD7
HD6
HD5
HD4
HD3
HD2
HD1
HD0
IDERST